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Claims

1   1.   In a data processing operation having stored data in
2   a plurality of data files, a system for protecting said
3   data files from unauthorized users comprising:
4   means for receiving user requests for access to data
5   files;
6   means for determining whether said requests are
7   unauthorized intrusions into said requested data files;
8   and
9   means, responsive to a determination that a request
10 is an unauthorized intrusion, for changing the
11 identification of the requested data files.

1   2.   The data processing operation system of claim 1
2   wherein said means for changing the identification of
3   said requested data files change the overt identification
4   of the requested files.

1   3.   The data processing operation system of claim 2
2   wherein said means for changing the overt identification
3   of said requested data files rename said files.

1   4.   The data processing operation system of claim 3
2   wherein said file renames do not indicate the contents of
3   the renamed files.

1   5.   The data processing operation system of claim 4
2   further including means for moving said renamed files
3   into a new directory.

1 6. The data processing operation system of claim 5
2 further including means for assigning to each of the
3 renamed files a covert name indicating a covert location
4 in said new directory for each of said renamed files.

1 7. The data processing operation system of claim 6
2 further including a log referencing each renamed file to
3 the covert name of the respective file so as to indicate
4 the covert location of said file in said new directory.

1 8.   In a communication network with access to a plurality
2 of network sites each having stored data in a plurality
3 of data files accessible in response to requests from
4 users at other sites in the network, a system for
5 protecting said network site data files from unauthorized
6 users comprising:
7   means associated with a network site for
8 receiving user requests for access to data files;
9   means associated with said network site for
10 determining whether said user requests are unauthorized
11 intrusions into said requested data files; and
12   means associated with said network site responsive
13 to a determination that a request is unauthorized for
14 changing the identification of the requested data files.

1 9.   The communication network system of claim 8 wherein
2 said means for changing the identification of said
3 requested data files change the overt identification of
4 the requested files.

1 10.   The communication network system of claim 9 wherein
2 said means for changing the overt identification of said
3 requested data files rename said files.

1 11.   The communication network system of claim 10 wherein
2 said file renames do not indicate the contents of the
3 renamed files.

1 12.   The communication network system of claim 11 further
2 including means for moving said renamed files into a new
3 directory.

1   13.   The communication network system of claim 12 further
2   including means for assigning to each of the renamed
3   files a covert name indicating a covert location in said
4   new directory for each of said renamed files.

1   14.   The communication network system of claim 13 further
2   including a log referencing each renamed file to the
3   covert name of the respective file so as to indicate the
4   covert location of said file in said new directory.

1   15.   The communication network system of claim 8 wherein
2   said network is the World Wide Web, and said network
3   sites are Web sites.

1 16. In a data processing operation having stored data in
2 a plurality of data files, a method for protecting said
3 data files from unauthorized users comprising:
4   receiving user requests for access to data files;
5   determining whether said requests are unauthorized
6 intrusions into said requested data files; and
7   changing the identification of the requested data
8 files responsive to a determination that a request is
9 unauthorized.

1 17. The data processing method of claim 16 wherein said
2 step of changing the identification of said requested
3 data files changes the overt identification of the
4 requested files.

1 18. The data processing method of claim 17 wherein said
2 step of changing the overt identification of said
3 requested data files renames said files.

1 19. The data processing method of claim 18 wherein said
2 file renames do not indicate the contents of the renamed
3 files.

1 20. The data processing method of claim 19 further
2 including the step of moving said renamed files into a
3 new directory.

1 21. The data processing method of claim 20 further
2 including the step of assigning to each of the renamed
3 files a covert name indicating a covert location in said
4 new directory for each of said renamed files.

1 22. The data processing method of claim 21 further
2 including the step of forming a log referencing each
3 renamed file to the covert name of the respective file so
4 as to indicate the covert location of said file in said
5 new directory.

1   23. In a communication network with access to a

2   plurality of network sites each having stored data in a

3   plurality of data files accessible in response to

4   requests from users at other sites in the network, a

5   method for protecting said network site data files from

6   unauthorized users comprising:

7   receiving user requests for access to data files at

8   a network site;

9   determining at said network site whether said user

10 requests are unauthorized intrusions into said requested

11 data files; and

12   changing the identification of the requested data

13 files responsive to a determination that a request is

14 unauthorized.

1   24. The communication network method of claim 23 wherein

2   said step of changing the identification of said

3   requested data files changes the overt identification of

4   the requested files.

1   25. The communication network method of claim 24 wherein

2   said step of changing the overt identification of said

3   requested data files renames said files.

1   26. The communication network method of claim 25 wherein

2   said file renames do not indicate the contents of the

3   renamed files.

1   27. The communication network method of claim 26 further

2   including the step of moving said renamed files into a

3   new directory.

1 28. The communication network method of claim 27 further
2 including the step of assigning to each of the renamed
3 files a covert name indicating a covert location in said
4 new directory for each of said renamed files.

1 29. The communication network method of claim 28 further
2 including the step of forming a log referencing each
3 renamed file to the covert name of the respective file so
4 as to indicate the covert location of said file in said
5 new directory.

1 30. The communication network method of claim 23 wherein
2 said network is the World Wide Web, and said network
3 sites are Web sites.

1   31. A computer program having code recorded on a
2   computer readable medium for protecting data files from
3   unauthorized users in a data processing operation having
4   stored data in a plurality of data files, said program
5   comprising:
6   means for receiving user requests for access to data
7   files;
8   means for determining whether said requests are
9   unauthorized intrusions into said requested data files;
10 and
11   means responsive to a determination that a request
12 is unauthorized for changing the identification of the
13 requested data files.

1   32. The computer program of claim 31 wherein said means
2   for changing the identification of said requested data
3   files change the overt identification of the requested
4   files.

1   33. The computer program of claim 32 wherein said means
2   for changing the overt identification of said requested
3   data files rename said files.

1   34. The computer program of claim 33 wherein said file
2   renames do not indicate the contents of the renamed
3   files.

1   35. The computer program of claim 34 further including
2   means for moving said renamed files into a new directory.

1   36. The computer program of claim 35 further including
2   means for assigning to each of the renamed files a covert
3   name indicating a covert location in said new directory
4   for each of said renamed files.

1   37. The computer program of claim 36 further including a
2   log referencing each renamed file to the covert name of
3   the respective file so as to indicate the covert location
4   of said file in said new directory.

1   38.   A computer program having code recorded on a
2   computer readable medium for protecting data files from
3   unauthorized users in a communication network with access
4   to a plurality of network sites each having stored data
5   in a plurality of data files accessible in response to
6   requests from users at other sites in the network, said
7   program comprising:
8   means associated with a network site for
9   receiving user requests for access to data files;
10   means at said network site for determining whether
11   said user requests are unauthorized intrusions into said
12   requested data files; and
13   means associated with said network site responsive
14   to a determination that a request is unauthorized for
15   changing the identification of the requested data files.

1   39.   The computer program of claim 38 wherein said means
2   for changing the identification of said requested data
3   files change the overt identification of the requested
4   files.

1   40.   The computer program of claim 39 wherein said means
2   for changing the overt identification of said requested
3   data files rename said files.

1   41.   The computer program of claim 40 wherein said file
2   renames do not indicate the contents of the renamed
3   files.

1   42.   The computer program of claim 41 further including
2   means for moving said renamed files into a new directory.

1   43.   The computer program of claim 42 further including
2   means for assigning to each of the renamed files a covert
3   name indicating a covert location in said new directory
4   for each of said renamed files.

1   44.   The computer program of claim 43 further including a
2   log referencing each renamed file to the covert name of
3   the respective file so as to indicate the covert location
4   of said file in said new directory.

1   45.   The computer program of claim 38 wherein said
2   network is the World Wide Web, and said network sites are
3   Web sites.